INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/41181

A. CLAS IPC(7) US CL	SIFICATION OF SUBJECT MATTER : H01L 21/44, 21/48, 21/50, 21/331, 21/30, 21/44 : 438/109, 118, 367, 459, 612, 977	6			
	International Patent Classification (IPC) or to both nati	ional classification and IPC			
	DS SEARCHED				
Minimum doc	cumentation searched (classification system followed by 38/109, 118, 367, 459, 612, 977, FOR 367, FOR 485,				
Documentatio NONE	on searched other than minimum documentation to the	extent that such documents are included in	the fields searched		
	ta base consulted during the international search (name e!, wafer, stack\$	of data base and, where practicable, sear	ch terms used)		
C. DOCT	UMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
A	US 3, 463, 650A (HENNINGS et al) 19 August 1969		1-4 and 8		
A	US 4,982,266 A (CHATTERJEE) 01 January 1991 (01.01.1991), see entire document.	1-4 and 8		
A	US 4,939,568 A (KATO et al) 03 July 1990 (03.07.1	990), see entire document.	1-4 and 8		
A	US 5,814,889 A (GAUL) 29 September 1998 (29.09.1998), see entire document.		1-4 and 8		
Α .	US 6,114,768 A (GAUL et al) 05 September 2000 (0	05.09.2000), see entire document.	1-4 and 8		
A	US 5,229,647 A (GNADINGER) 20 July 1993 (20.0	7.1993), see entire document.	1-4 and 8		
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A	A US.5,424,245 A (GURTLER et al) 13 June 1995 (13.06.1995), see entire document.		1-4 and 8		
A	US 5,786,238 A (PAI et al) 28 June 1998 (28.06.199	98), see entire document.	1-4 and 8		
	documents are listed in the continuation of Box C.	See patent family annex.			
* S	pecial categories of cited documents:	"T" later document published after the inte			
	of particular relevance				
"E" earlier ap	oplication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone			
	t which may throw doubts on priority claim(s) or which is cited to the publication date of another citation or other special reason (as)	"Y" document of particular relevance; the considered to involve an inventive ste	p when the document is		
"O" documen	t referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in the			
"P" document published prior to the international filing date but later than the "&" document member of the same patent family priority date claimed					
Date of the actual completion of the international search Date of mailing of the international search report MAY 2003					
24 April 2003 (24.04.2003)					
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A	US 5,268,326 A (LESK et al) 07 December 1993 (07.12.1993), see entire document.	1-4 and 8
A	US 6,489,217 B1 (KALNITSKY et al) 03 December 2002 (03.12.2002), see entire document.	1-4 and 8
Α	US 5,091,331 A (DELGADO et al) 25 February 1992 (25.02.1992), see entire document.	1-4 and 8
A	US 5,627,106 A (HSU) 06 May 1997 (06.05.1997), see entire document.	1-4 and 8
A	US 6,444,560 B1 (POGGE et al) 03 September 2002 (03.09.2002), see entire document.	1-4 and 8
A	JP 62-117316 A (SHARP CORP.) 28 May 1987 (28.05.1987), see entire document.	1-4 and 8
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